

## INTERNATIONAL SEARCH REPORT

International Application No

PC 7/US 03/37310

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 A61B18/12

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 931 836 A (MATSUMOTO HIROAKI ET AL) 3 August 1999 (1999-08-03) abstract; figures 2A,15 column 1, line 50 -column 2, line 53 column 5, line 13 -column 6, line 22 column 11, line 43 -column 12, line 35	1,2,5-7
Y	---	3,4
Y	CHICHARO J F ET AL: "A sliding Goertzel algorithm" SIGNAL PROCESSING, ELSEVIER SCIENCE PUBLISHERS B.V. AMSTERDAM, NL, vol. 52, no. 3, 1 August 1996 (1996-08-01), pages 283-297, XP004012139 ISSN: 0165-1684 the whole document ---	3,4
	--- -/--	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*Z\* document member of the same patent family

Date of the actual completion of the international search

6 August 2004

Date of mailing of the international search report

13/08/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Wetzig, T

International Application No  
PC/US 03/37310

International Application No  
PC/US 03/37310

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>OGDEN F: "GOERTZEL ALTERNATIVE TO THE FOURIER TRANSFORM" ELECTRONICS WORLD (INCL. WIRELESS WORLD), REED BUSINESS PUBLISHING, SUTTON, SURREY, GB, vol. 99, no. 1687, 1 June 1993 (1993-06-01), pages 485-487, XP000303838 ISSN: 0959-8332 the whole document</p>	3
A	<p>-----</p>	4

International Application No  
PC/US 03/37310

Form PCT/ISA/210 (patent family annex) (January 2004)